

Title (en)  
Ultrasonic surgical instrument with modular end effector

Title (de)  
Ultraschall-OP-Instrument mit modularem Endeffektor

Title (fr)  
Instrument chirurgical à ultrasons avec un effecteur de terminaison modulaire

Publication  
**EP 2581055 B1 20151125 (EN)**

Application  
**EP 12188042 A 20121010**

Priority  
US 201113269899 A 20111010

Abstract (en)  
[origin: EP2581055A2] A surgical instrument having a transmission assembly, a transducer, and a handle assembly is configured for coupling the transmission assembly to the handle assembly using a locking mechanism. The locking mechanism is operable to restrict the rotational movement of an actuator coupling member and the transducer relative to the handle assembly. The locking mechanism may also be operable to lock a trigger of the handle assembly in a first position. An inner tubular actuating member of the transmission assembly may be threadably attachable to the actuator coupling member or the actuator coupling member may include a latching mechanism to couple to a flared portion of the inner tubular actuating member. A waveguide of the transmission assembly may also be threadably attachable to the transducer. In one alternative, the trigger may be configured to operate the locking mechanism, either in the first position or when pivoted distally to a third position.

IPC 8 full level  
**A61B 17/32** (2006.01); **A61B 17/29** (2006.01)

CPC (source: EP US)  
**A61B 17/320092** (2013.01 - EP US); **A61B 18/1442** (2013.01 - US); **A61N 7/00** (2013.01 - US); **A61B 2017/0046** (2013.01 - EP US); **A61B 2017/00477** (2013.01 - EP US); **A61B 2017/2929** (2013.01 - EP US); **A61B 2017/320093** (2017.07 - EP US); **A61B 2017/320094** (2017.07 - EP US); **A61B 2017/320097** (2017.07 - EP US); **A61B 2018/00595** (2013.01 - US); **A61B 2018/00601** (2013.01 - US); **A61B 2018/00607** (2013.01 - US); **A61B 2018/1452** (2013.01 - US)

Cited by  
EP3130293A3; US11291446B2; US11589887B2; US9539020B2; WO2015077138A3; WO2015100285A1; US10772631B2; US11076850B2; US11766255B2; US9918713B2; US10123799B2; US10561417B2; US10849624B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2581055 A2 20130417**; **EP 2581055 A3 20131204**; **EP 2581055 B1 20151125**; AU 2012232956 A1 20130502; CA 2792016 A1 20130410; CA 2792016 C 20200609; CN 103027719 A 20130410; CN 103027719 B 20170517; JP 2013081779 A 20130509; JP 6140968 B2 20170607; US 10653897 B2 20200519; US 2013090577 A1 20130411; US 2015265309 A1 20150924; US 2018146977 A1 20180531; US 9050125 B2 20150609; US 9872699 B2 20180123

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**EP 12188042 A 20121010**; AU 2012232956 A 20120928; CA 2792016 A 20121005; CN 201210397380 A 20121010; JP 2012223861 A 20121009; US 201113269899 A 20111010; US 201514731581 A 20150605; US 201715844939 A 20171218